

FIG.1

STRUCTURE DIAGRAM OF
 EACH CHAMBER AND ITS PERIPHERY

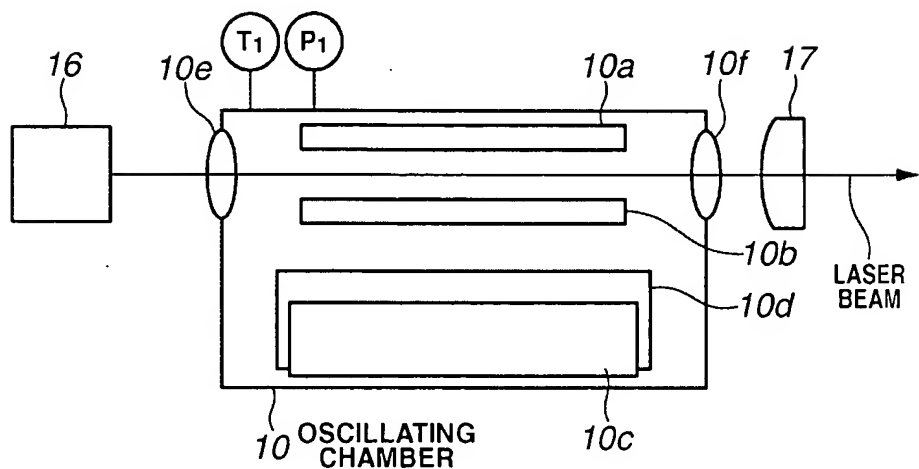


FIG. 2A

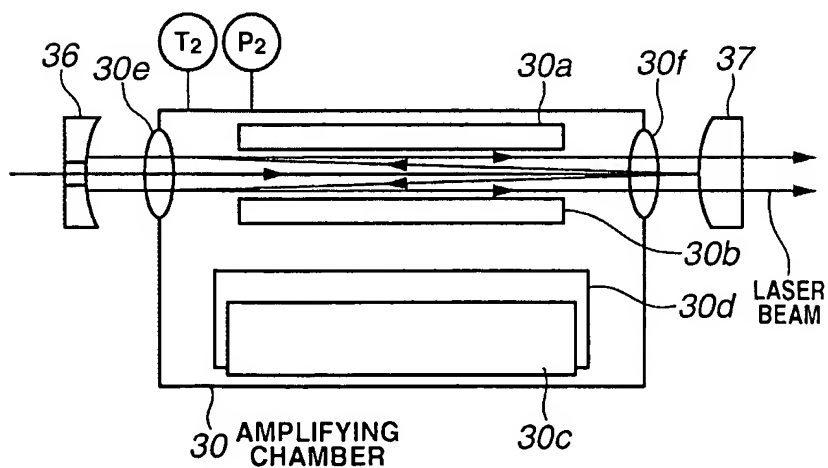


FIG. 2B

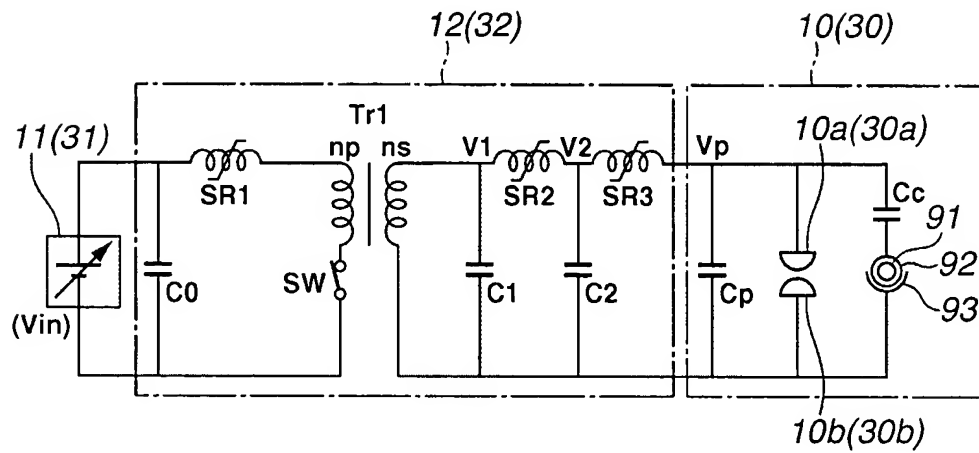


FIG.3A

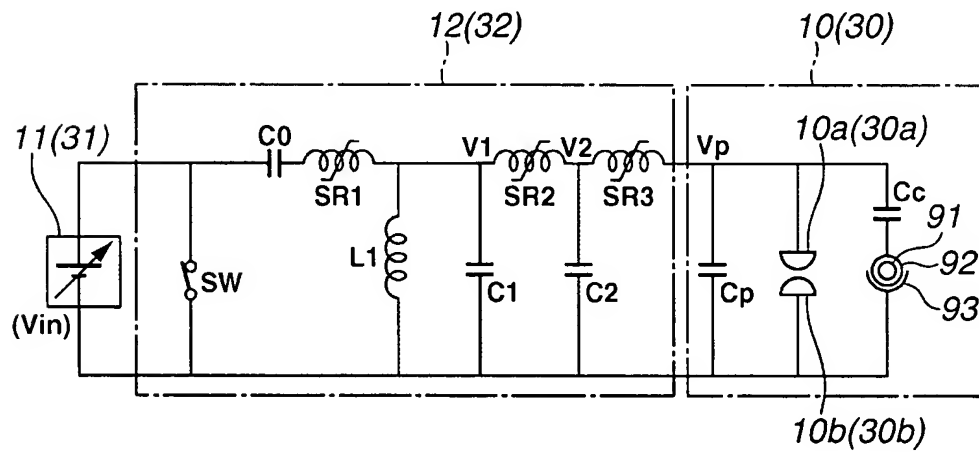


FIG.3B

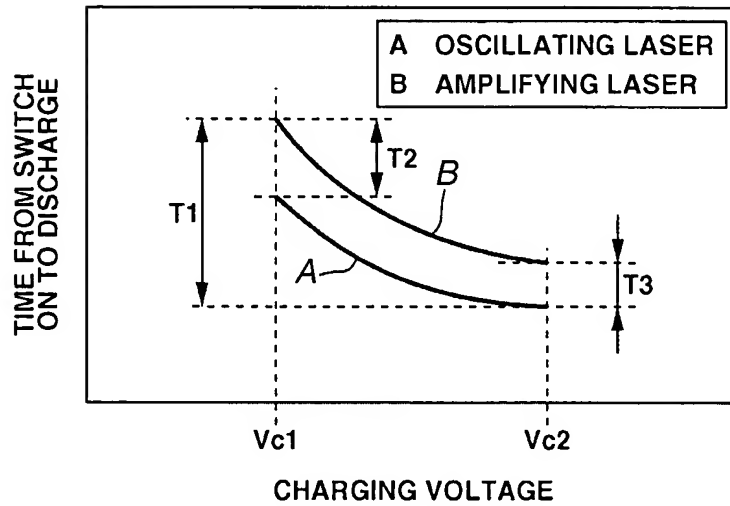


FIG.4

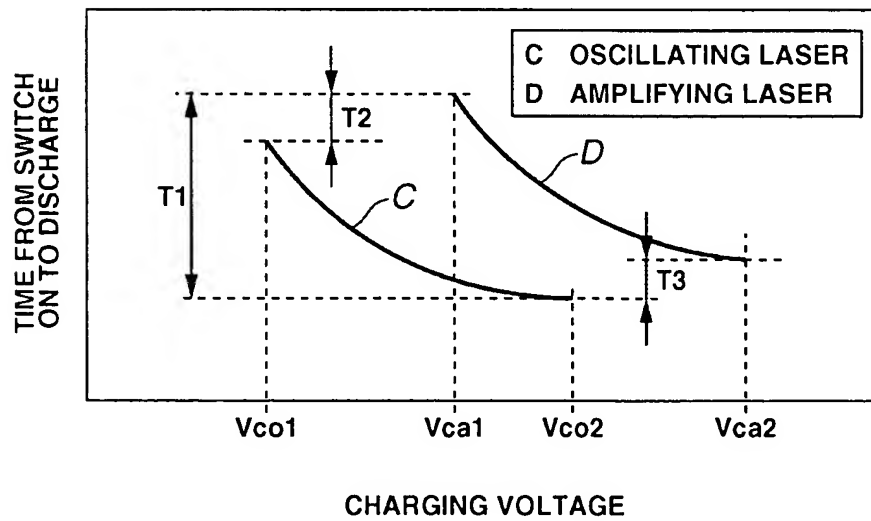


FIG.5

DIAGRAM SHOWING A RELATIONSHIP
BETWEEN ENERGY OF SEED LIGHT
INJECTED INTO THE AMPLIFYING LASER
AND ENERGY AFTER AMPLIFICATION

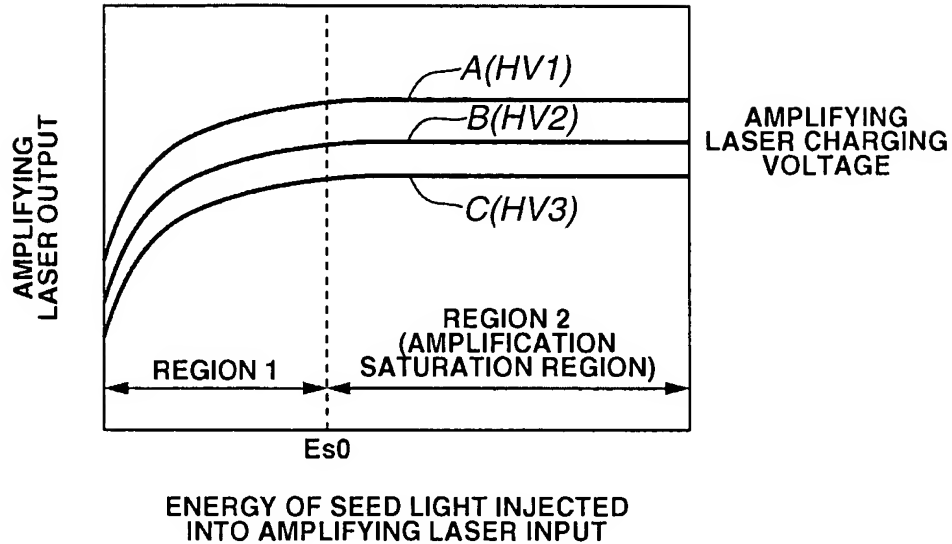
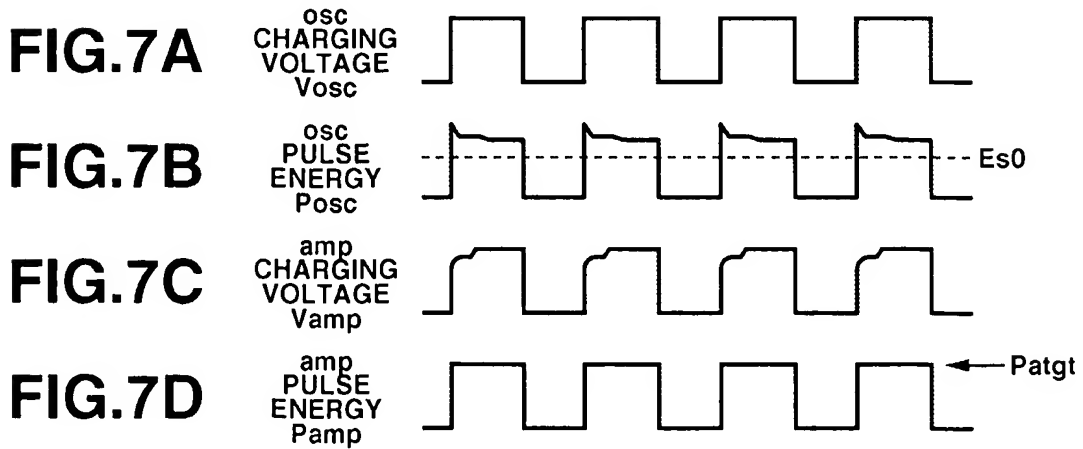


FIG.6

DIAGRAMS SHOWING INDIVIDUAL CHARGING VOLTAGES
AND INDIVIDUAL PULSE ENERGIES IN FIRST CONTROL EXAMPLE



CONTROL FLOWS OF OSCILLATING LASER AND AMPLIFYING LASER

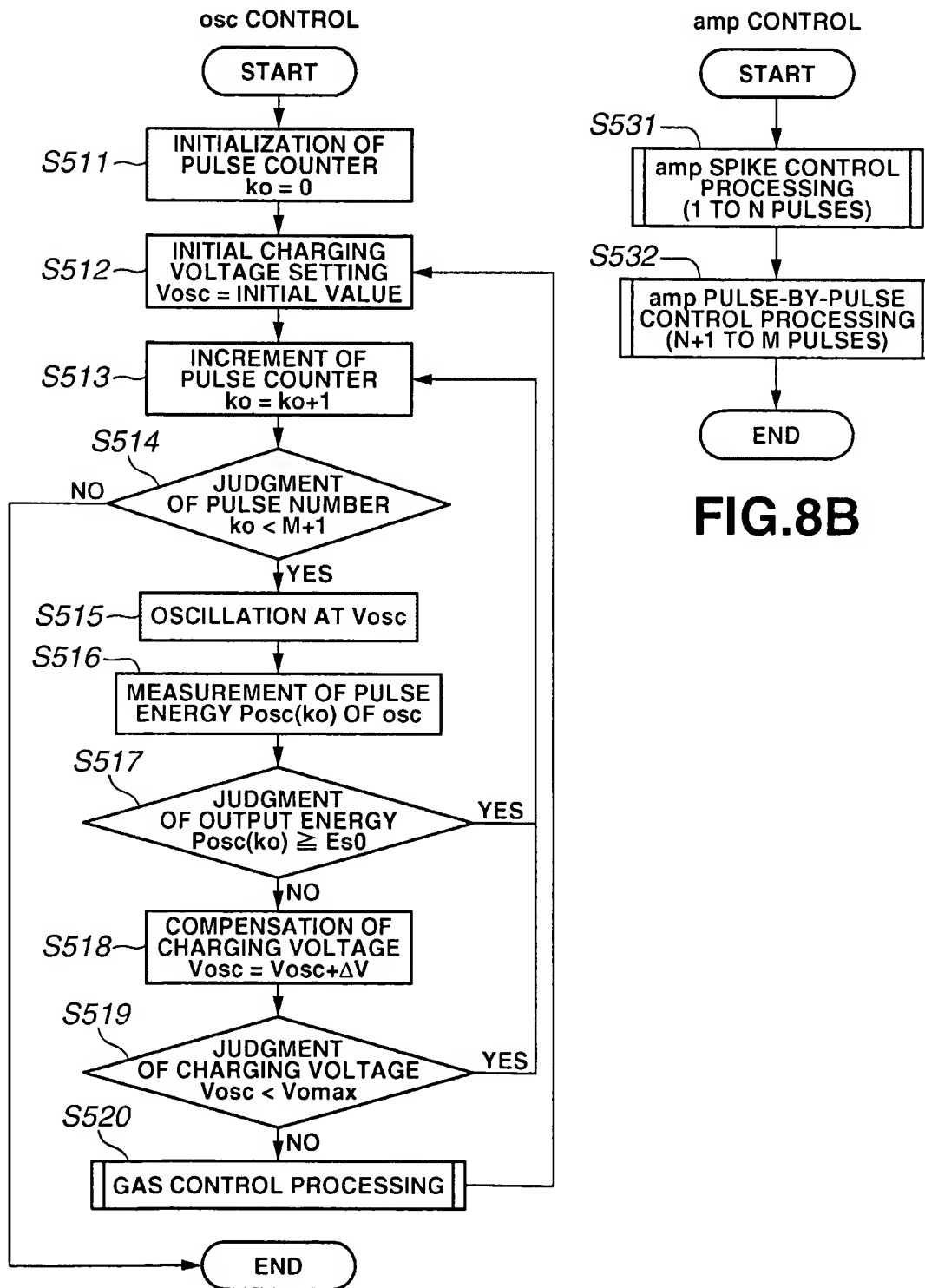


FIG.8B

FIG.8A

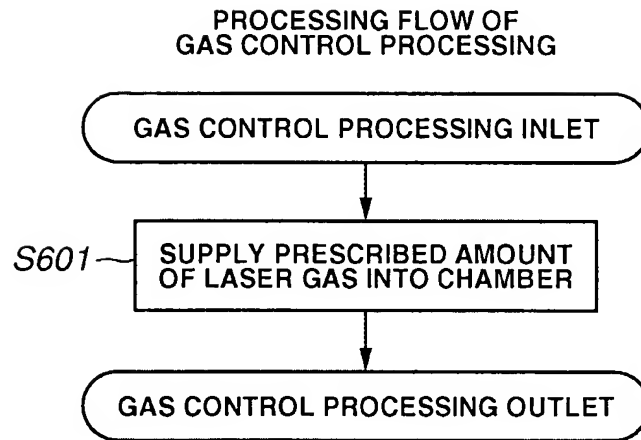
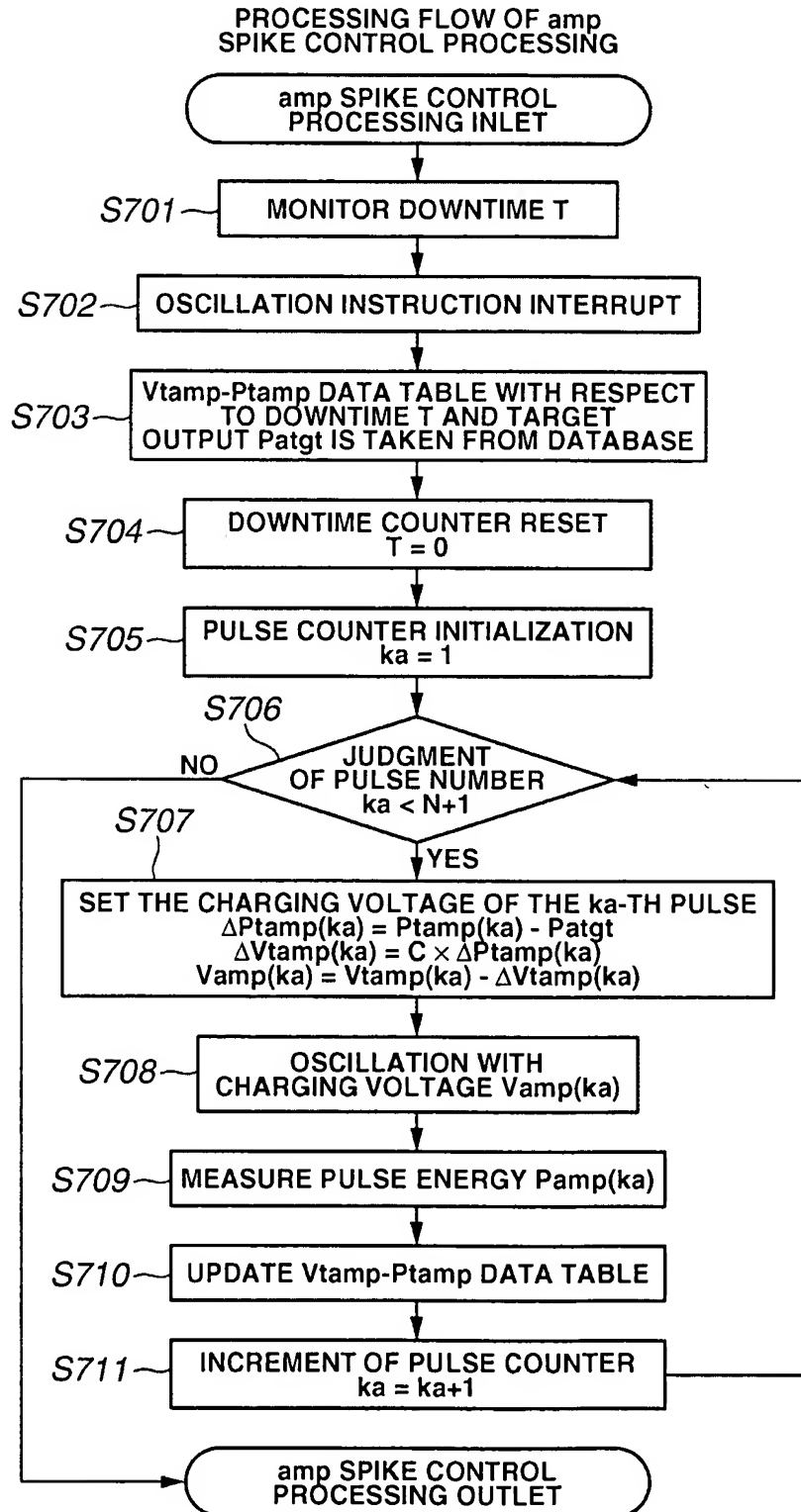


FIG.9



PROCESSING FLOW OF
amp PULSE-BY-PULSE CONTROL PROCESSING

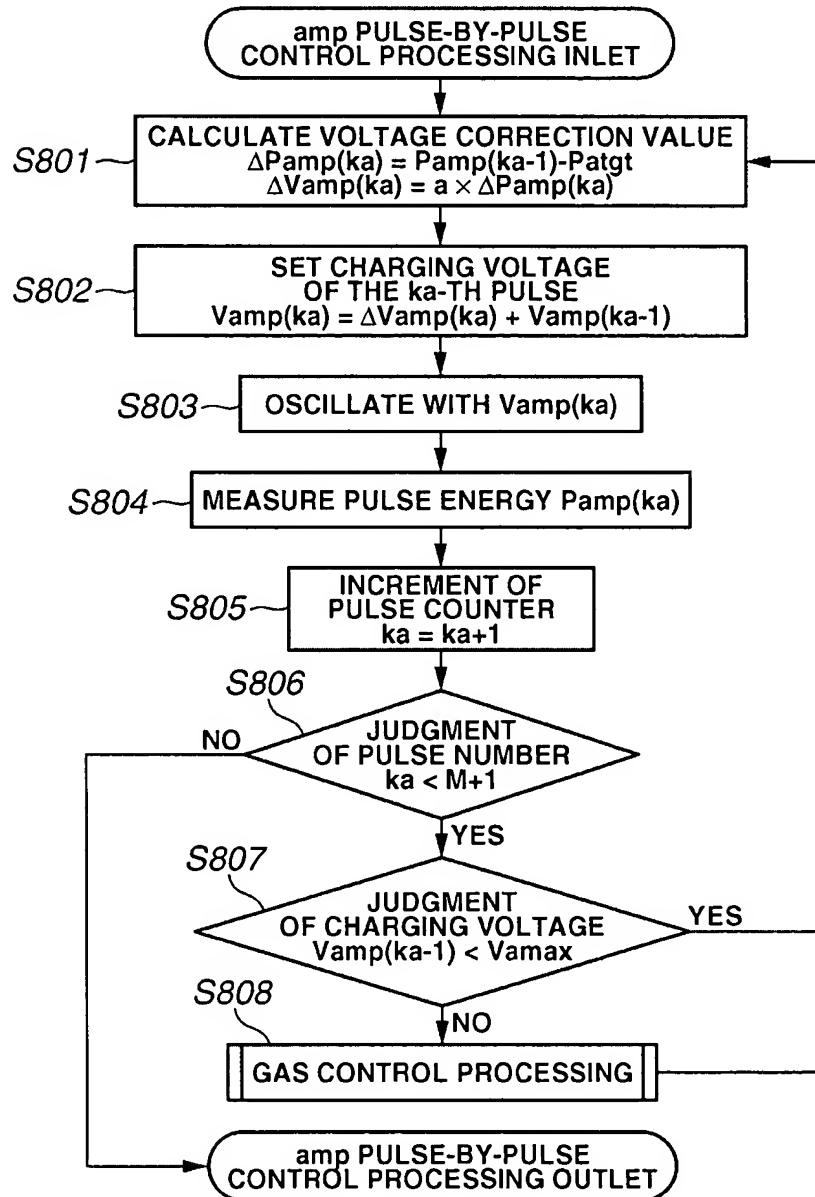


FIG.11

CONTROL FLOWS OF OSCILLATING LASER AND AMPLIFYING LASER

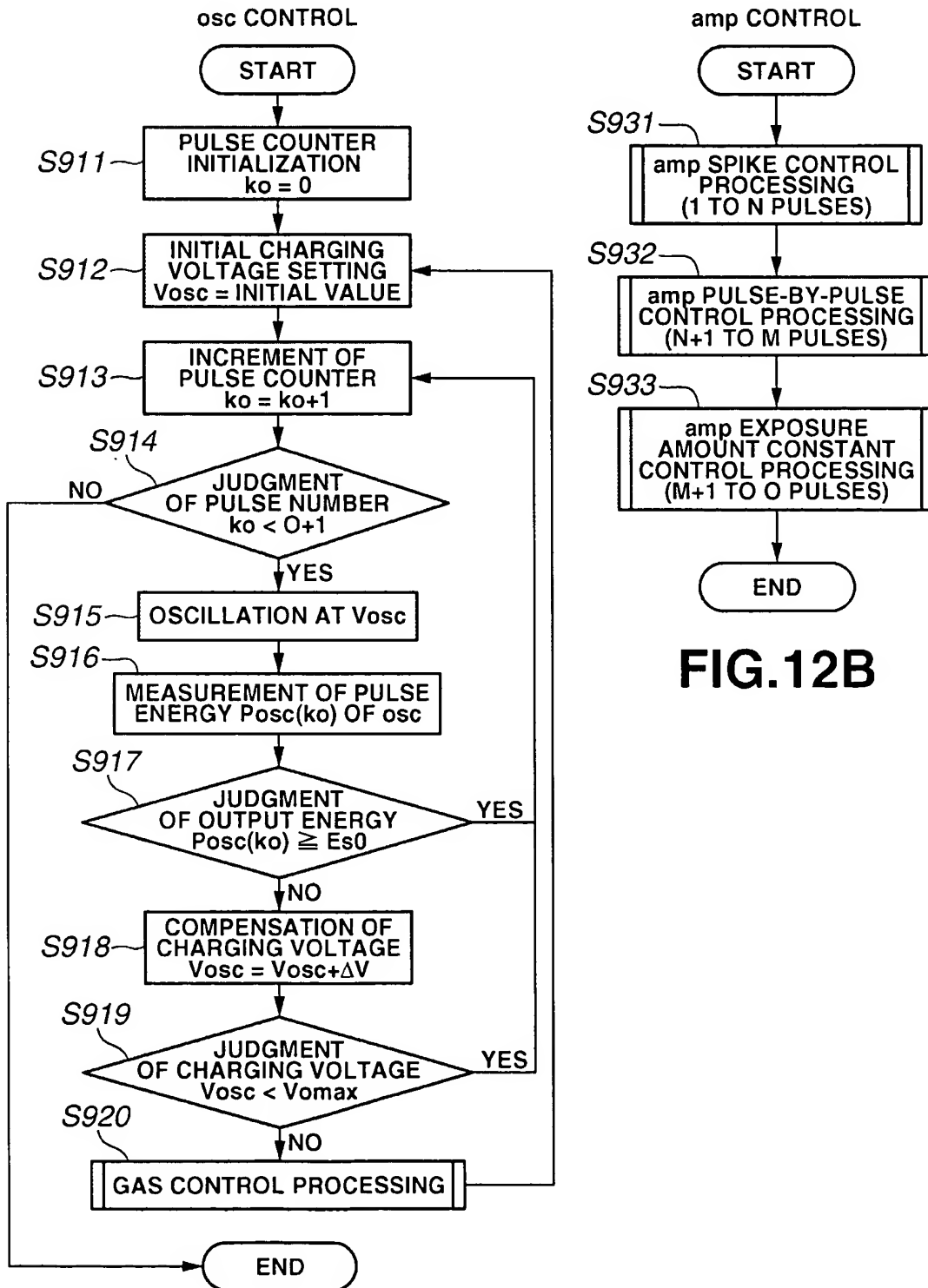


FIG.12B

FIG.12A

PROCESSING FLOW OF amp EXPOSURE
AMOUNT CONSTANT CONTROL PROCESSING

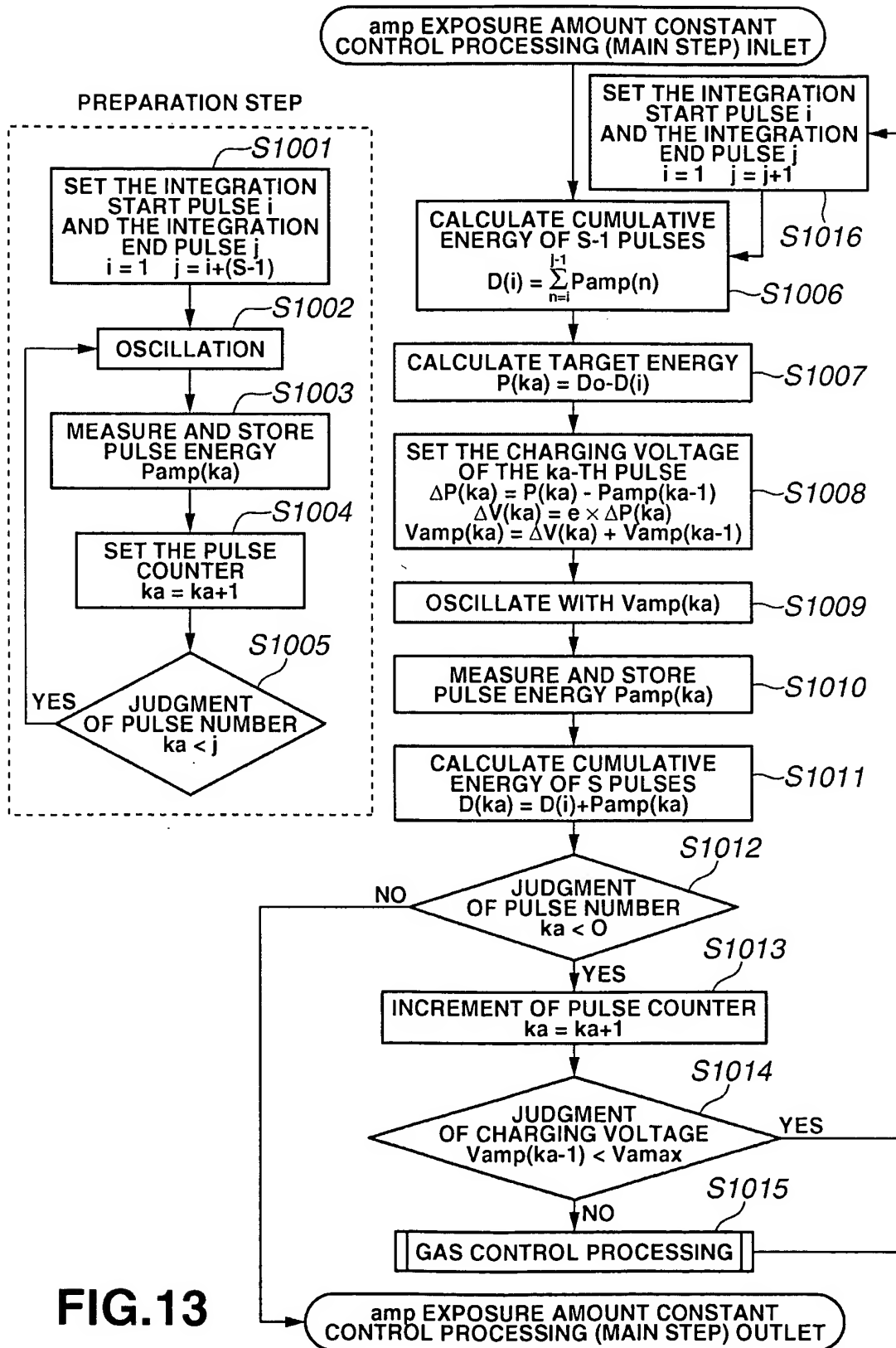


FIG.13

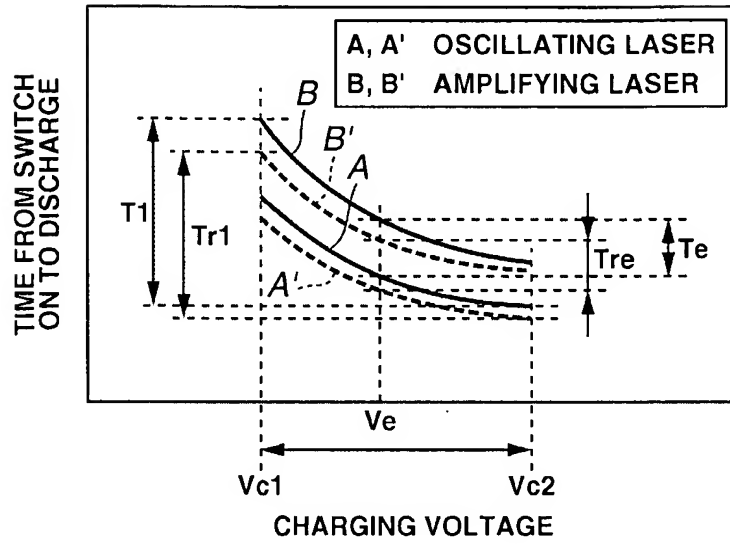


FIG.14

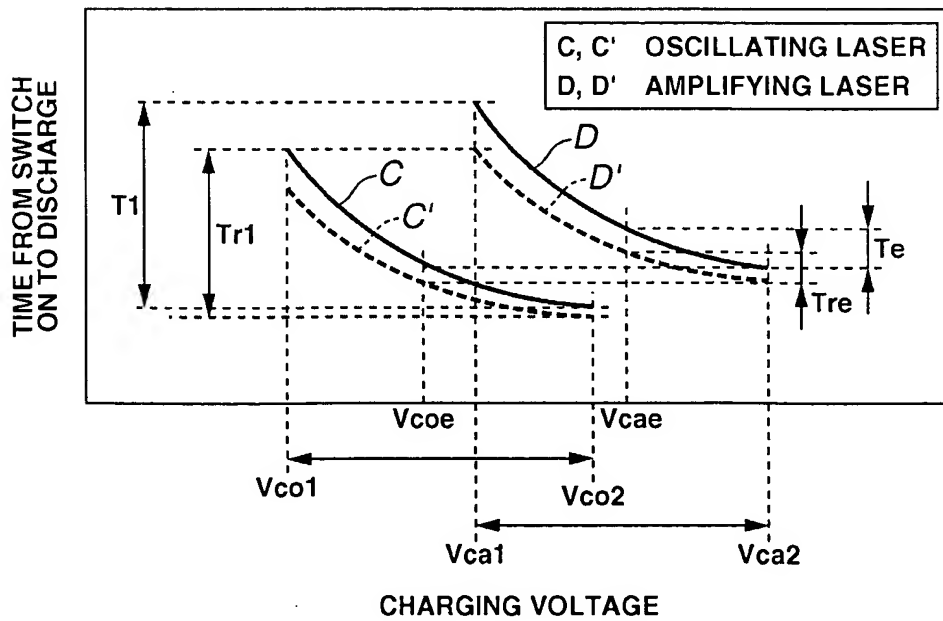


FIG.15

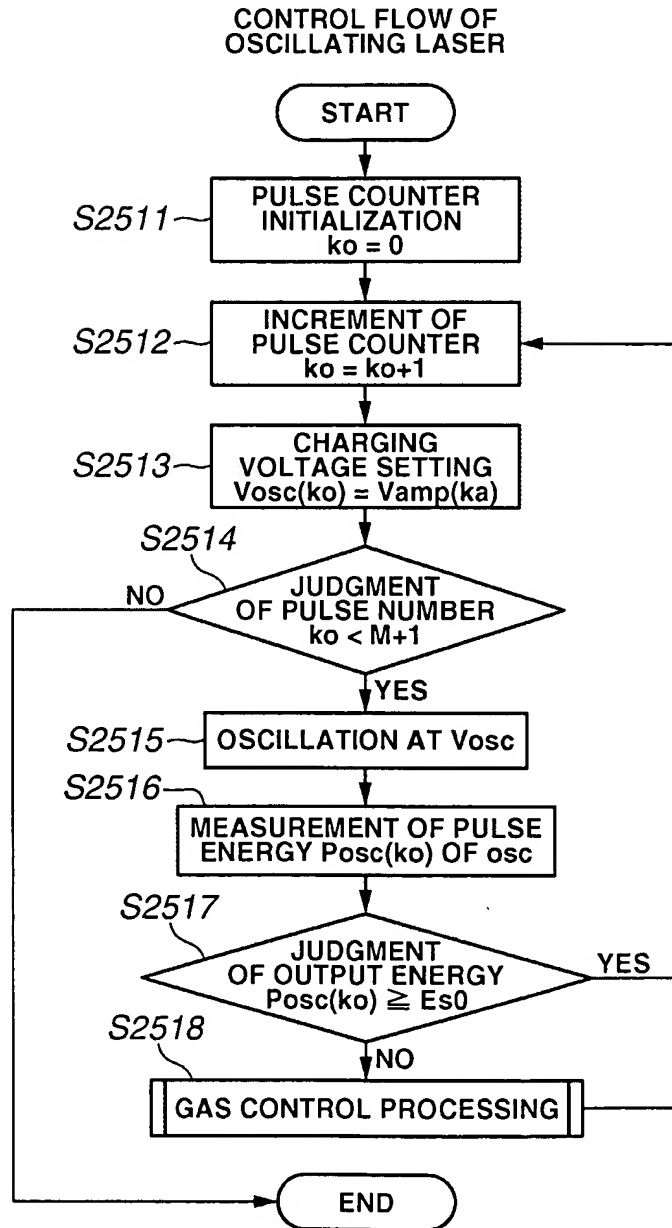


FIG.16

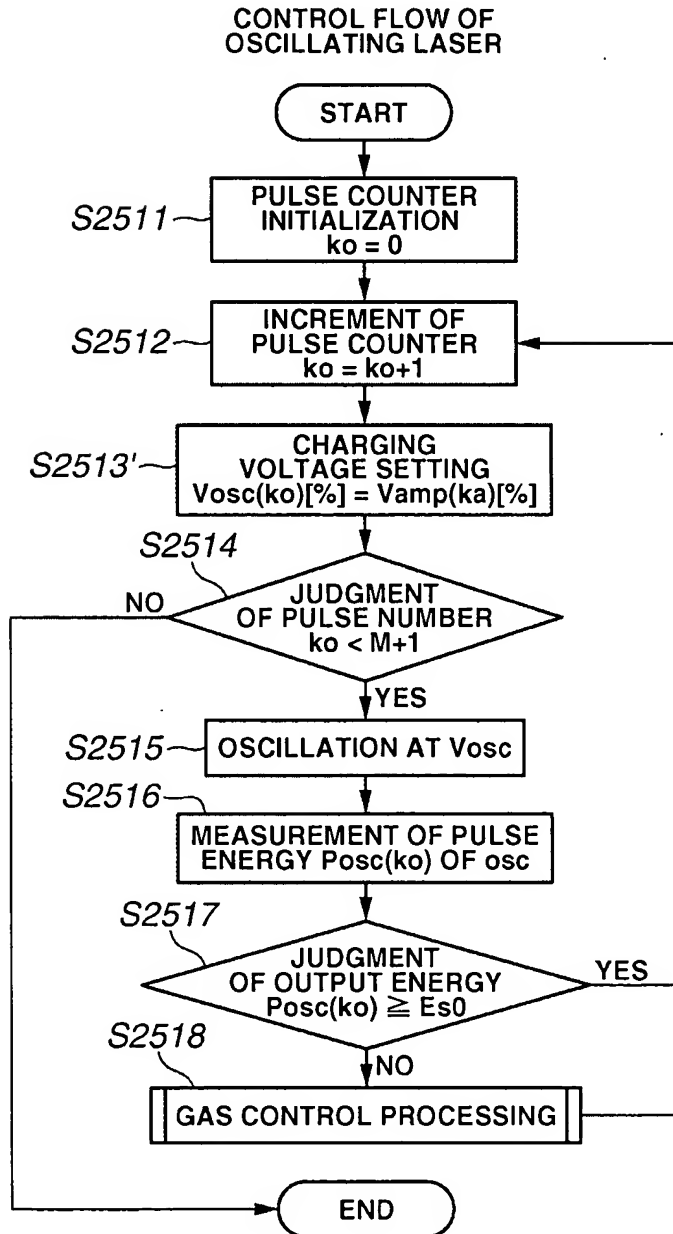


FIG.17

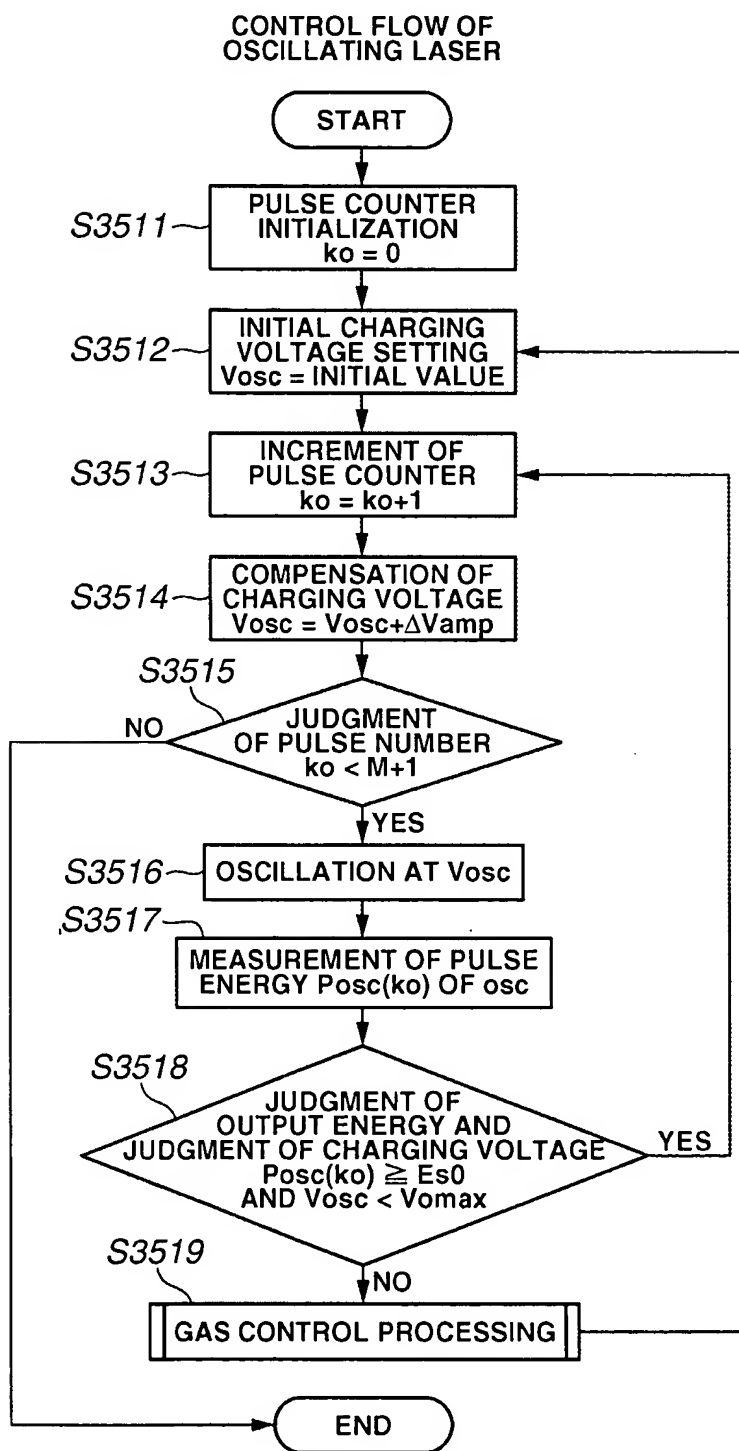
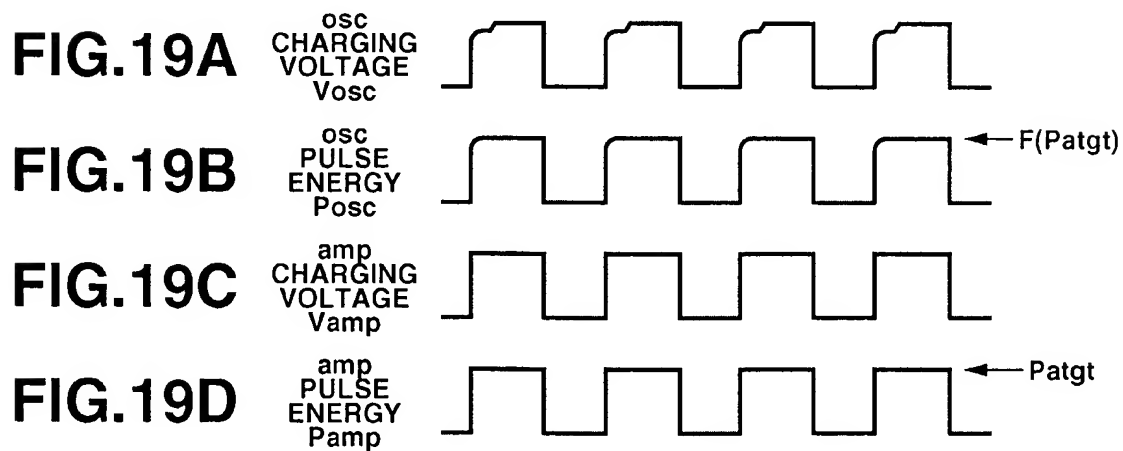


FIG.18

DIAGRAM SHOWING INDIVIDUAL CHARGING VOLTAGES
AND INDIVIDUAL PULSE ENERGIES IN SECOND CONTROL EXAMPLE



CONTROL FLOWS OF OSCILLATING LASER AND AMPLIFYING LASER

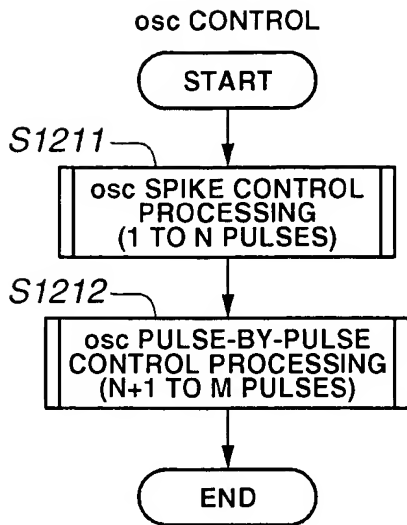


FIG.20A

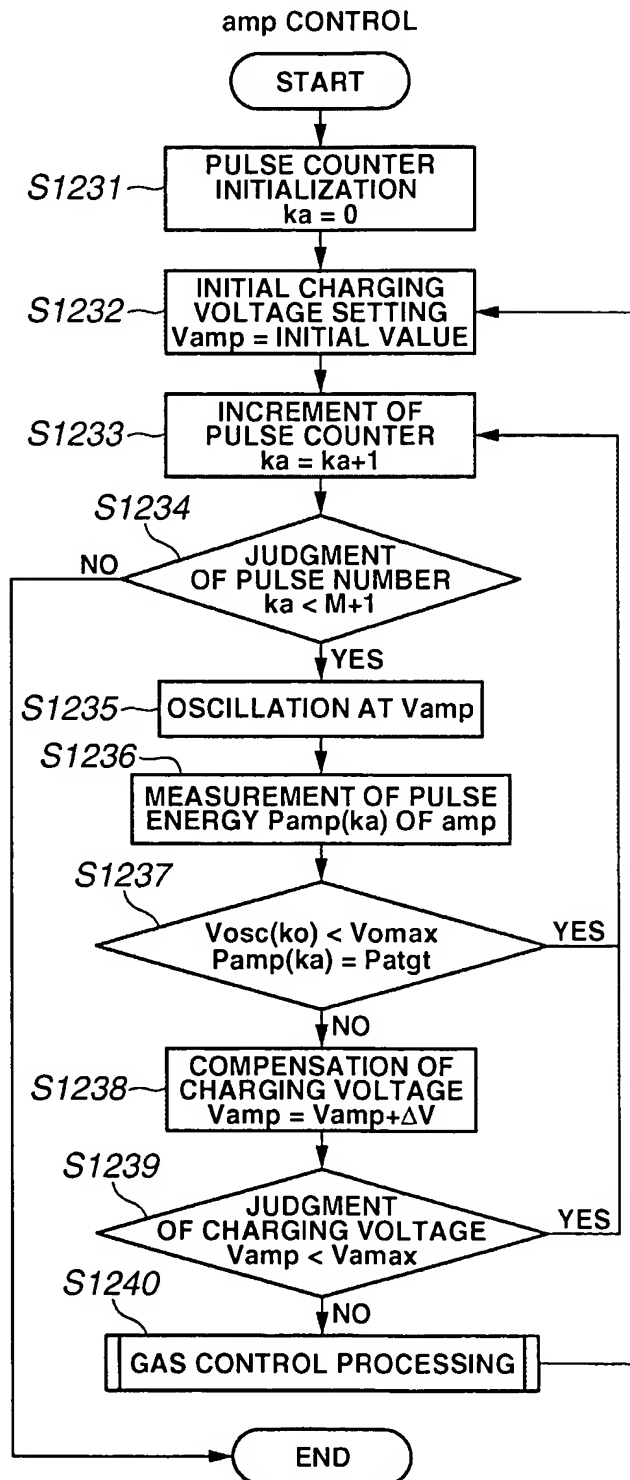
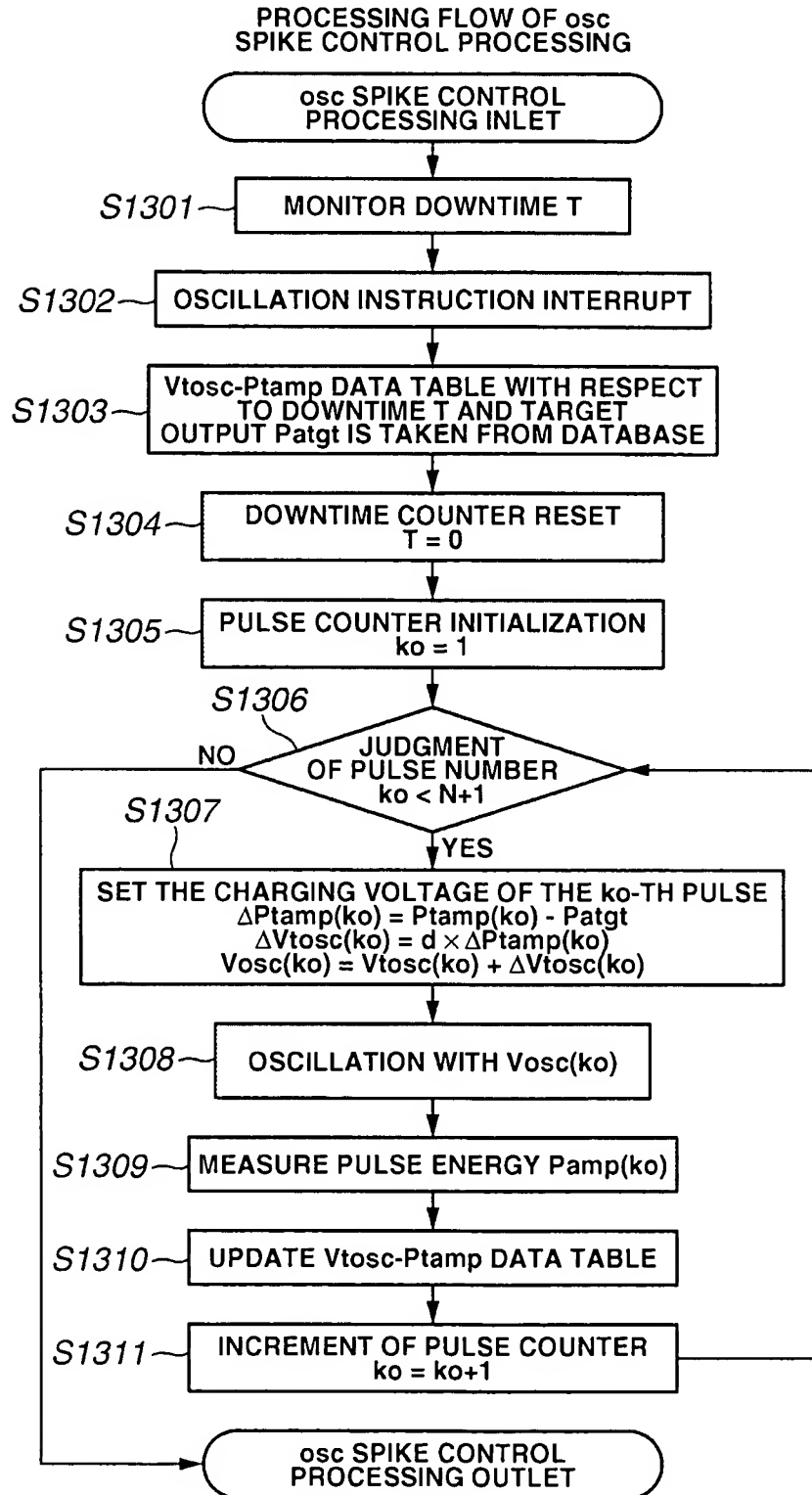


FIG.20B



PROCESSING FLOW OF
osc PULSE-BY-PULSE CONTROL PROCESSING

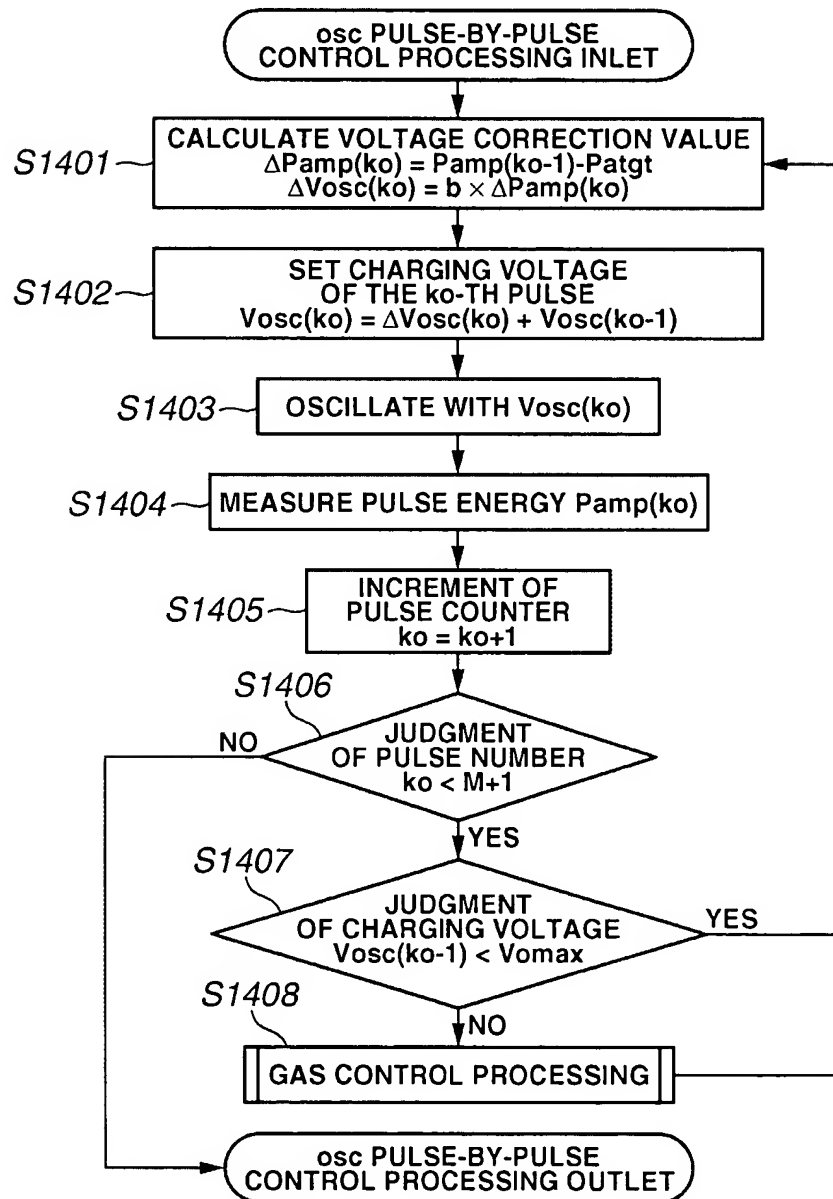


FIG.22

CONTROL FLOWS OF OSCILLATING LASER AND AMPLIFYING LASER

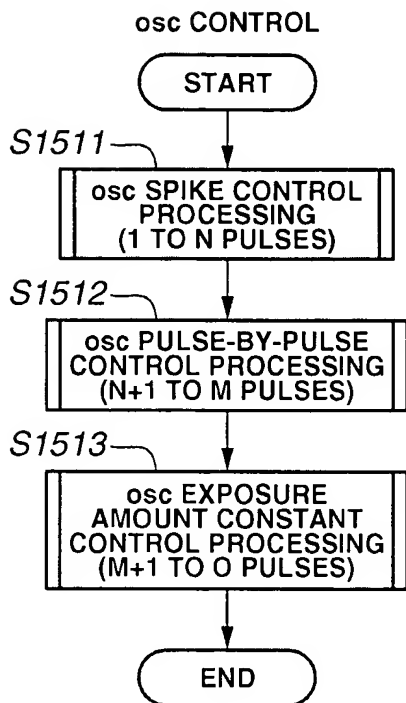


FIG.23A

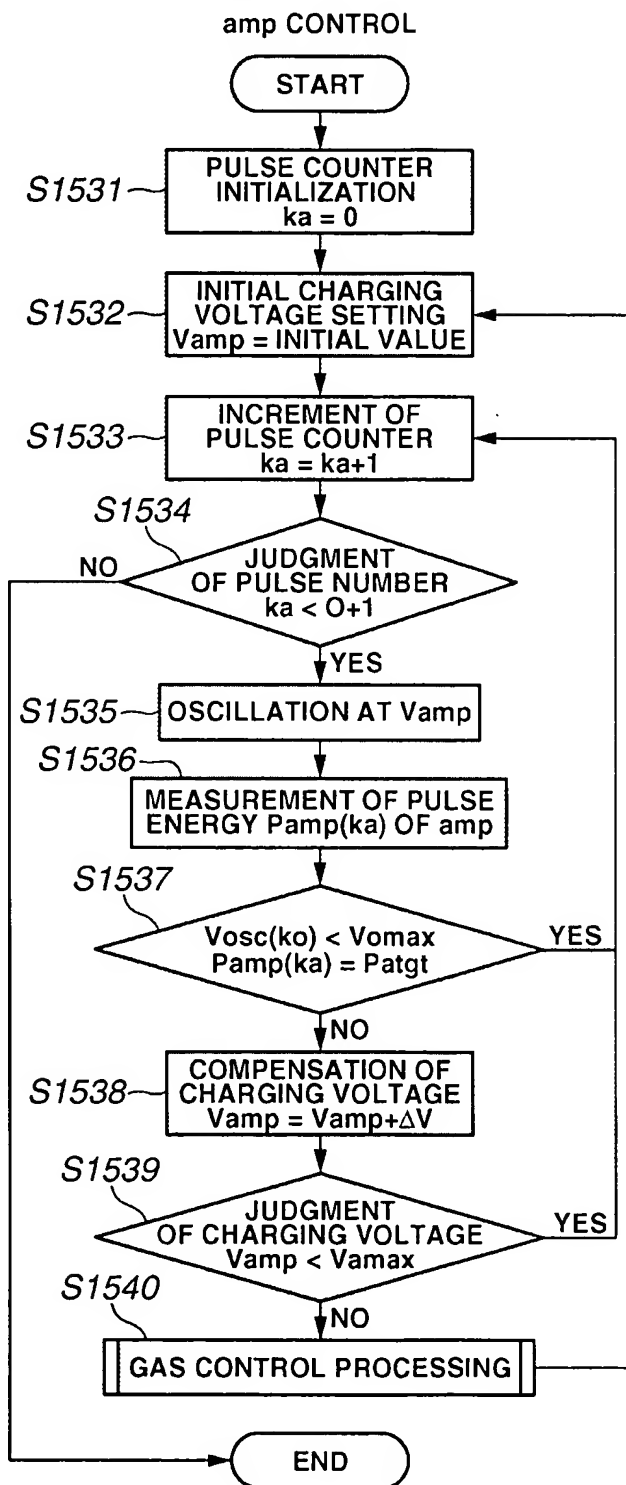


FIG.23B

PROCESSING FLOW OF osc EXPOSURE
AMOUNT CONSTANT CONTROL PROCESSING

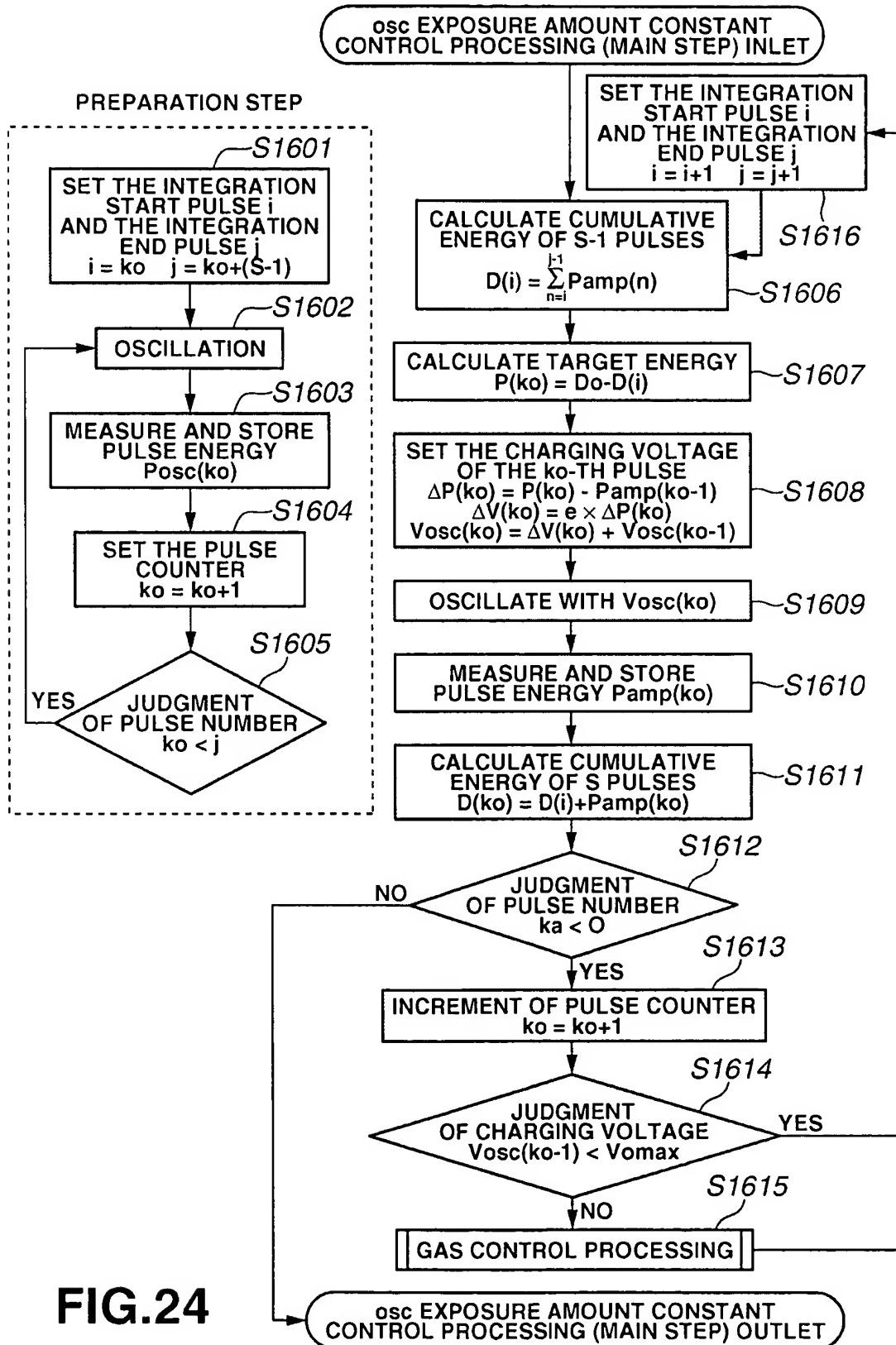
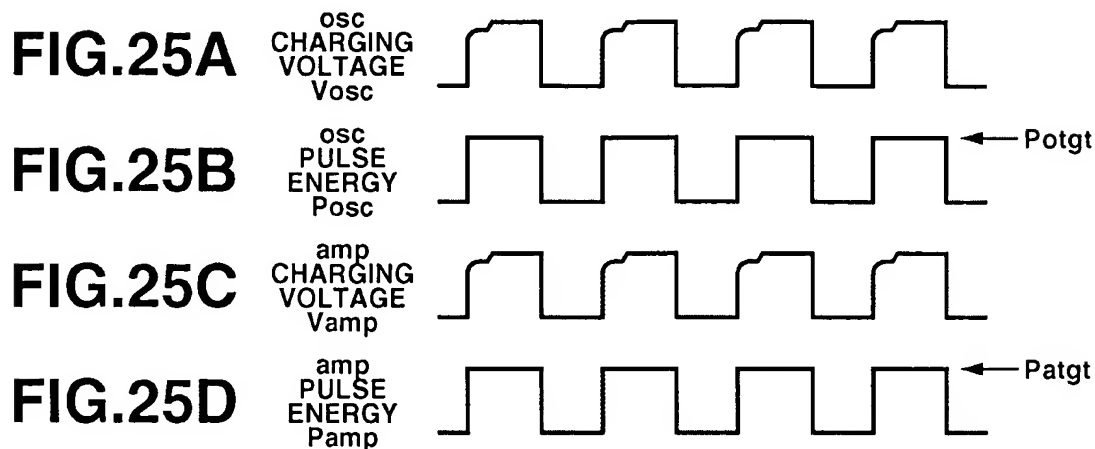


DIAGRAM SHOWING INDIVIDUAL CHARGING VOLTAGES
AND INDIVIDUAL PULSE ENERGIES IN THIRD CONTROL EXAMPLE



CONTROL FLOWS OF OSCILLATING LASER
AND AMPLIFYING LASER

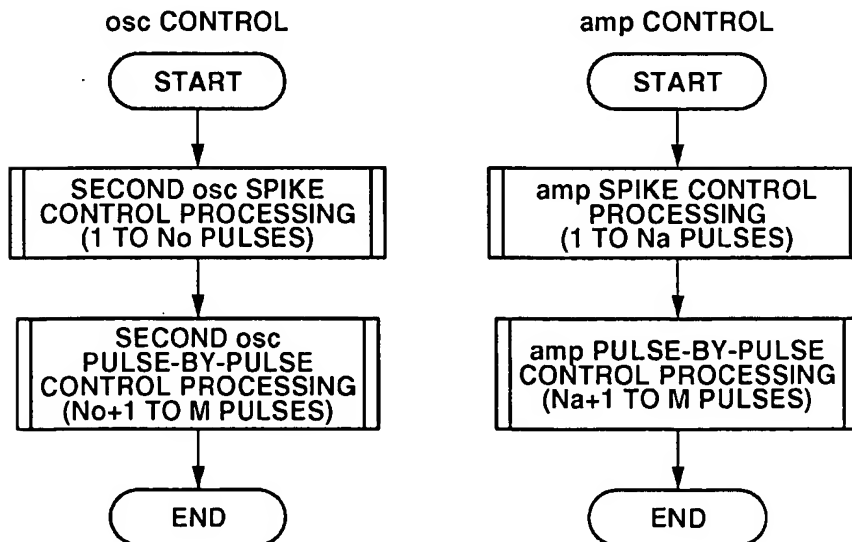
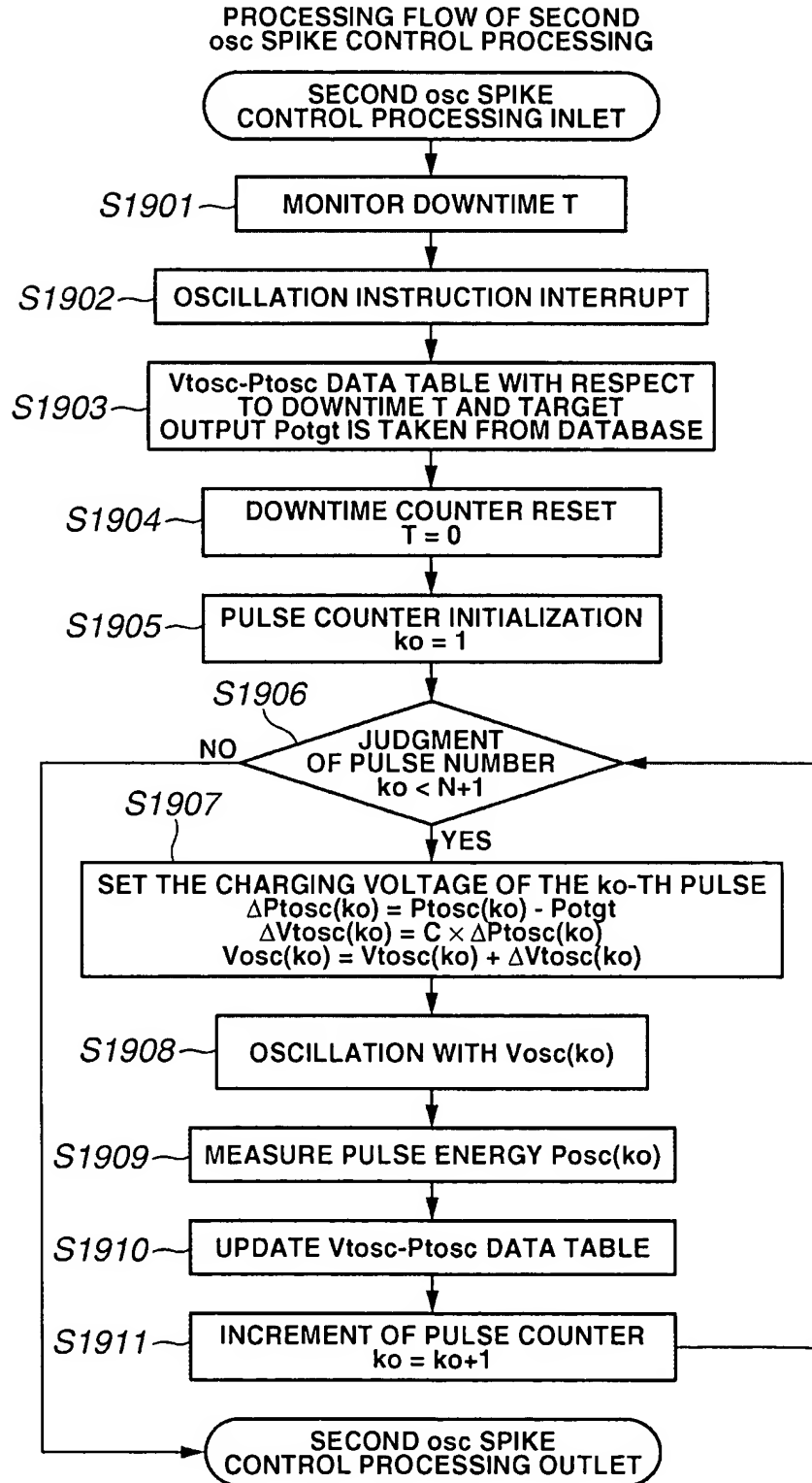


FIG.26A

FIG.26B



PROCESSING FLOW OF SECOND
osc PULSE-BY-PULSE CONTROL PROCESSING

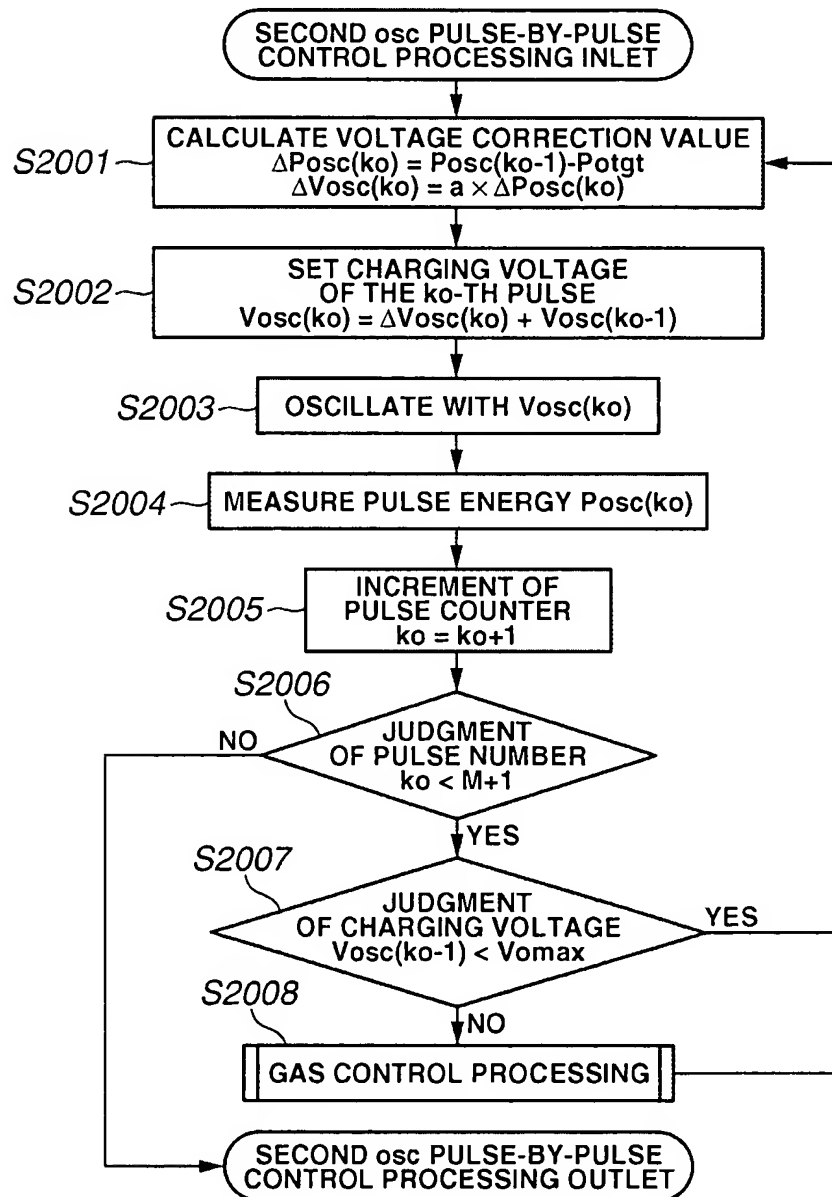


FIG.28

CONTROL FLOWS OF OSCILLATING LASER
AND AMPLIFYING LASER

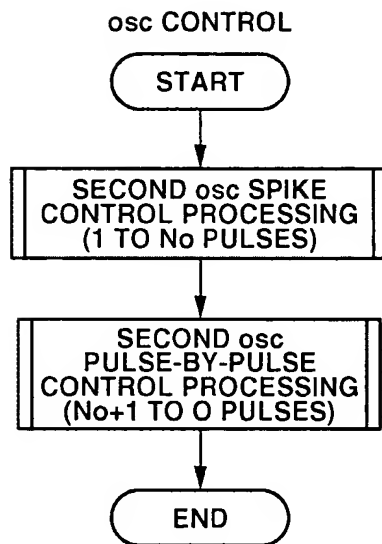


FIG.29A

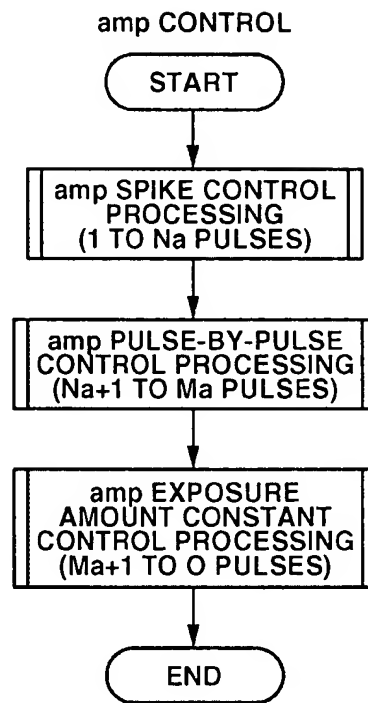


FIG.29B